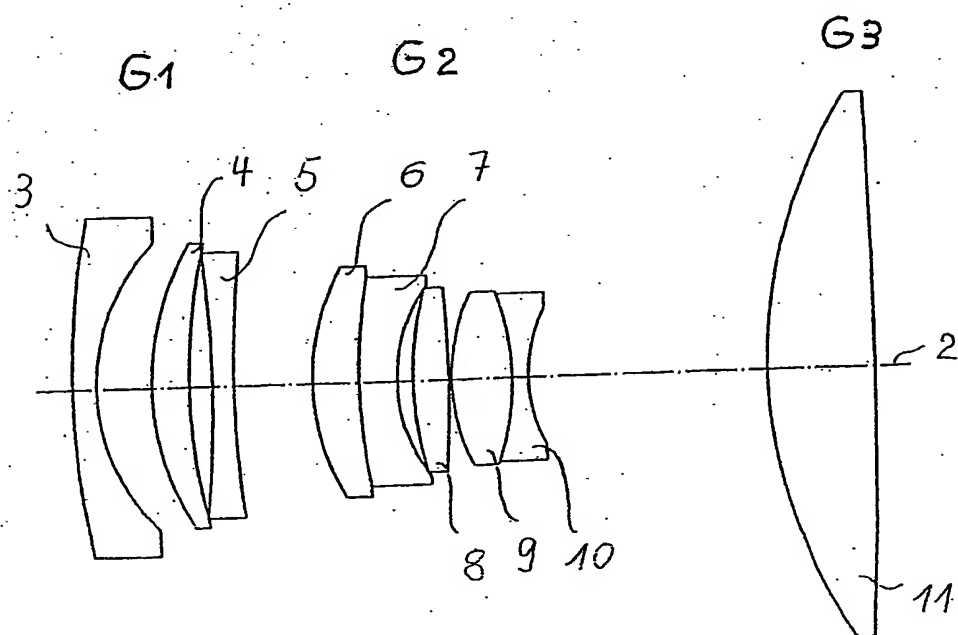


Fig. 1



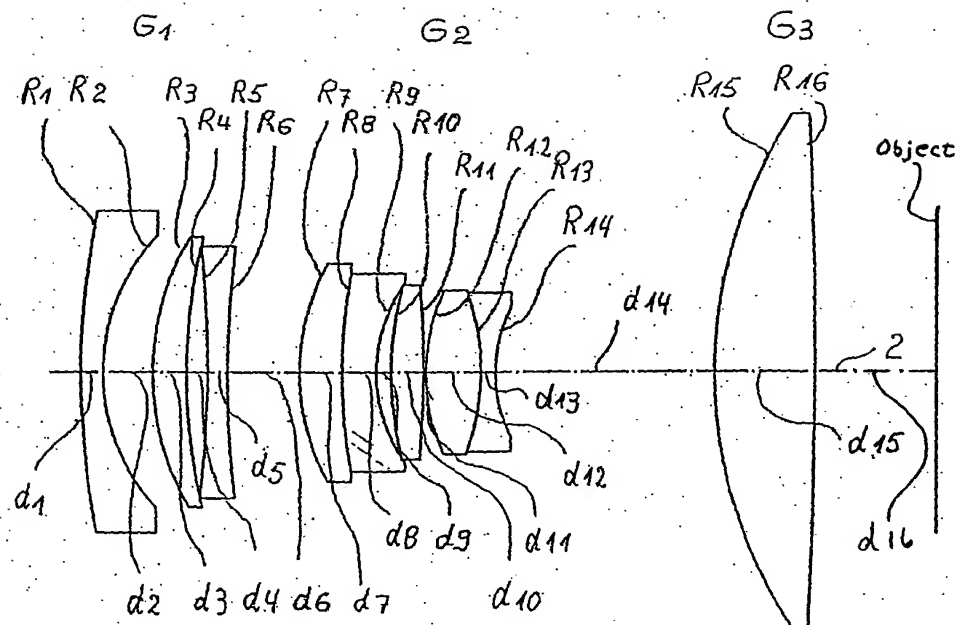
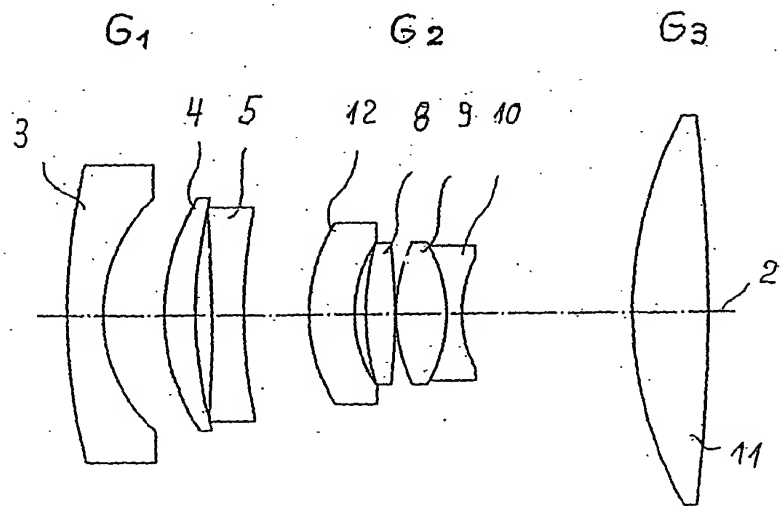


Fig. 3



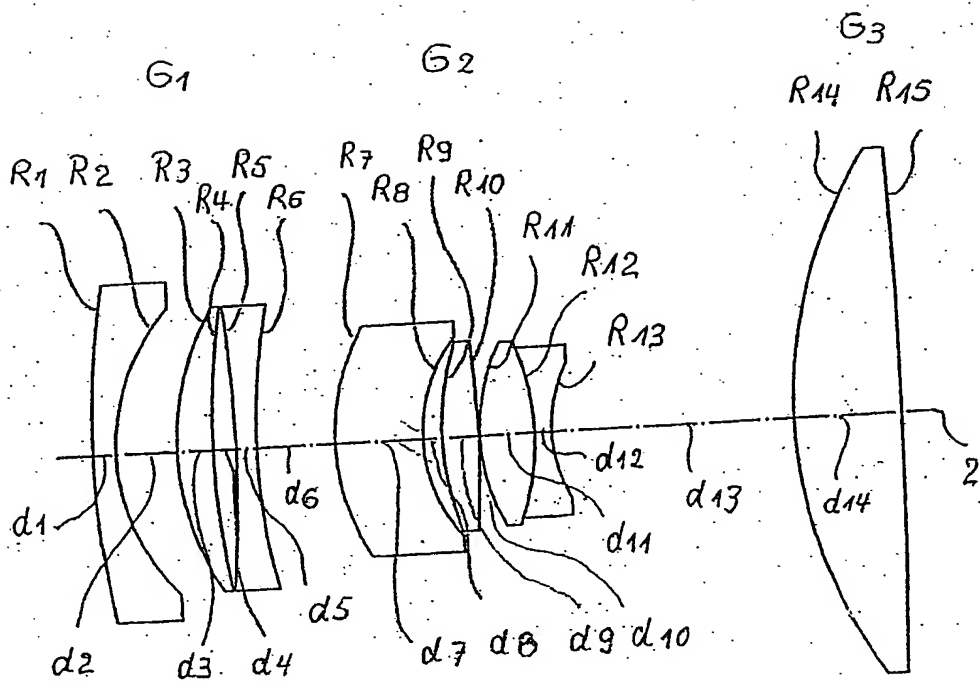
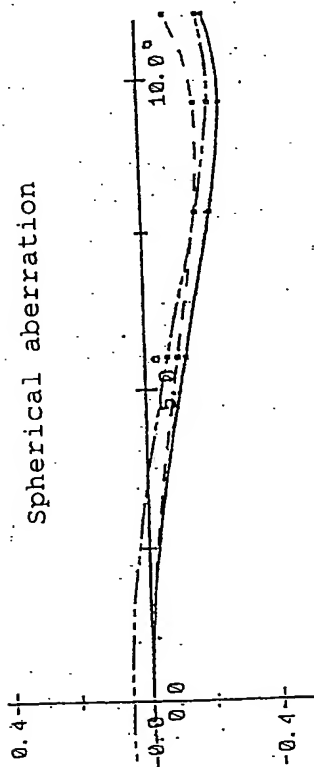


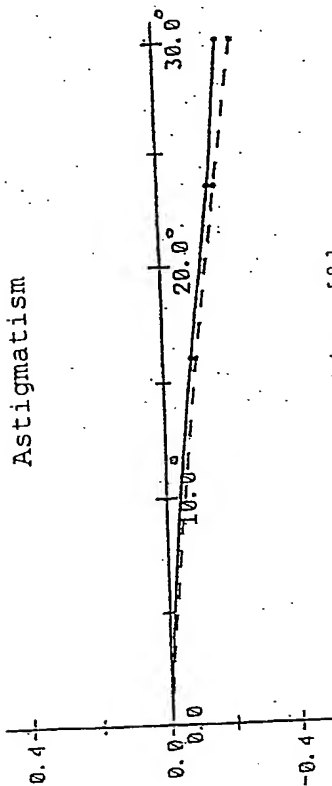
Fig. 5

$f' = 19.2$

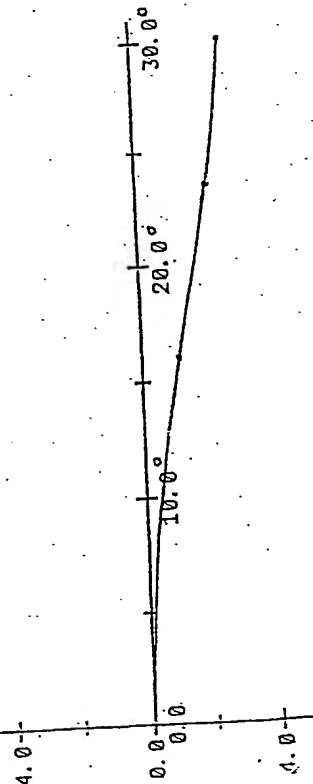
Spherical aberration



Astigmatism

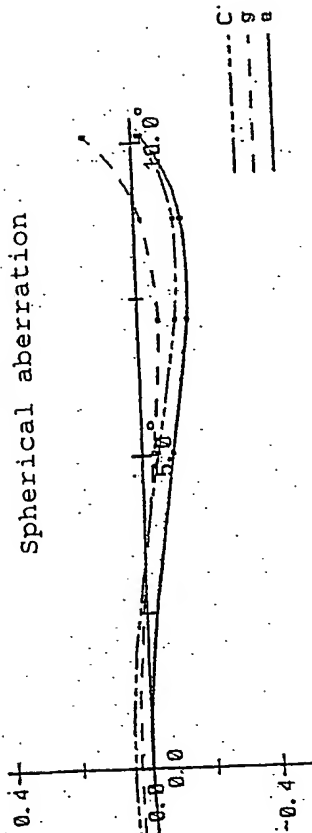


Distortion [%]

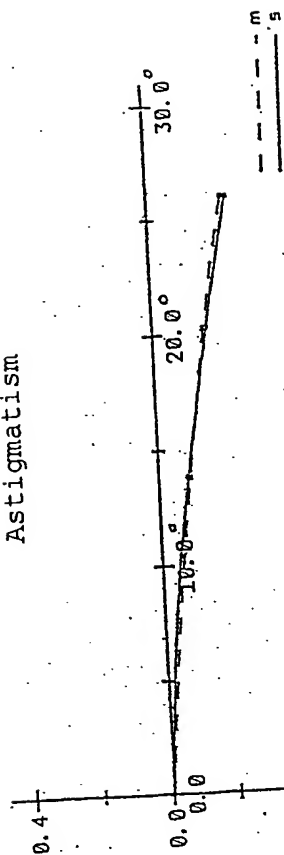


$f' = 22.3$

Spherical aberration



Astigmatism



Distortion [%]

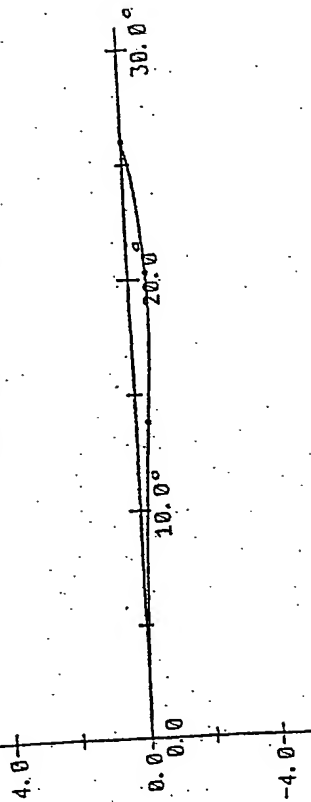
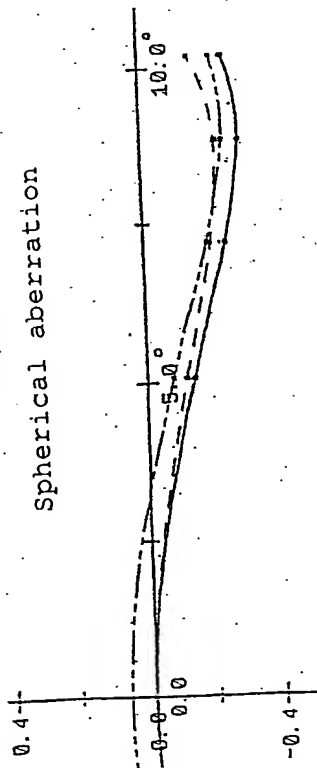


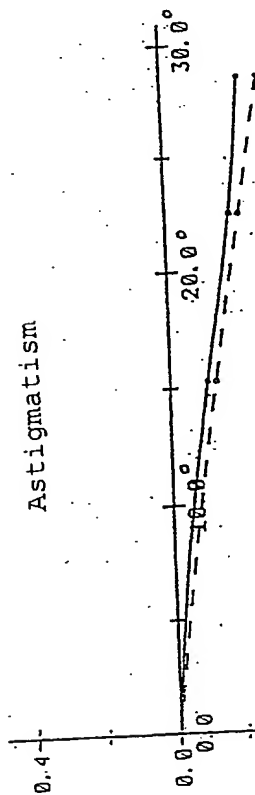
FIG.6

$f' = 25.8$

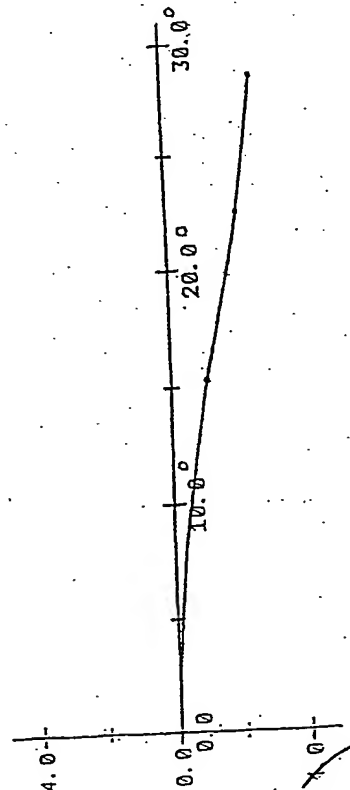
Spherical aberration



Astigmatism

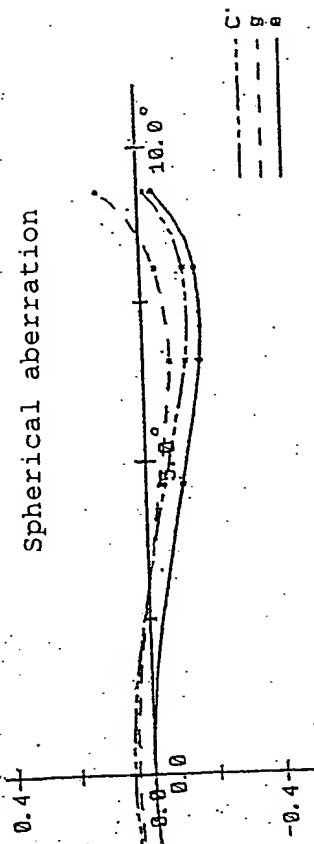


Distortion [%]

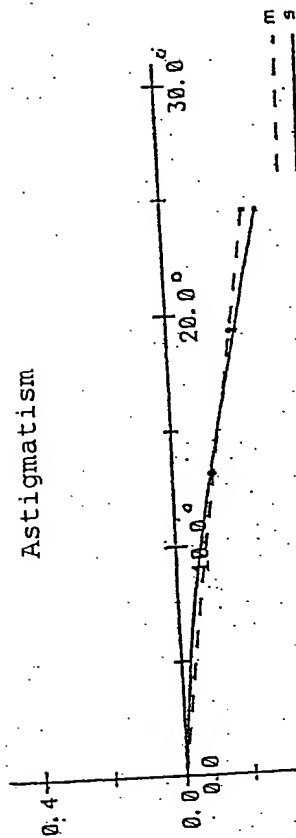


$f' = 30.0$

Spherical aberration



Astigmatism



Distortion [%]

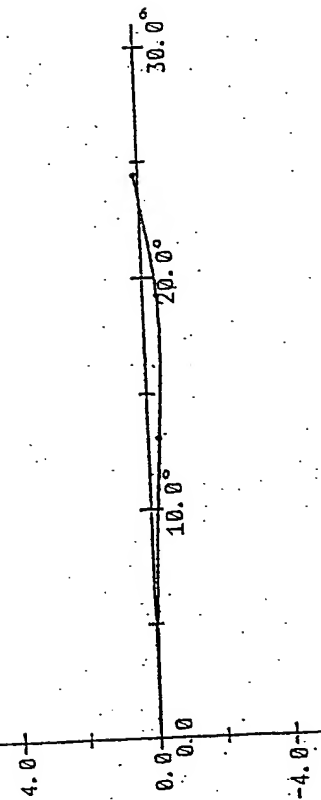
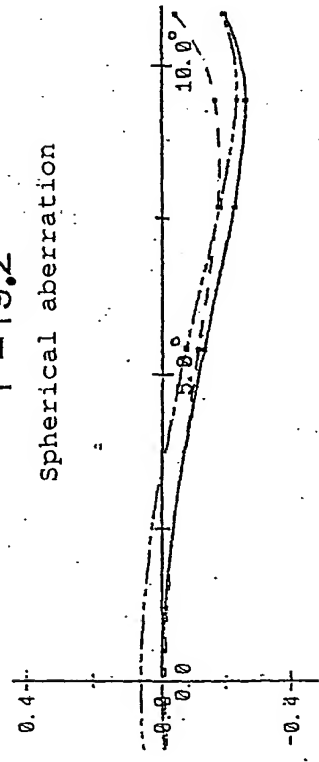


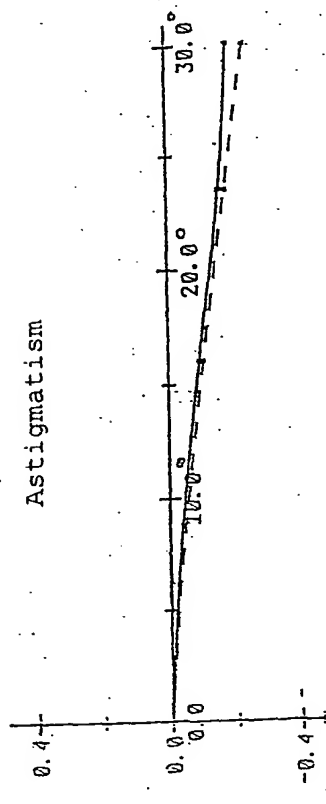
FIG.7

$f' = 19.2$

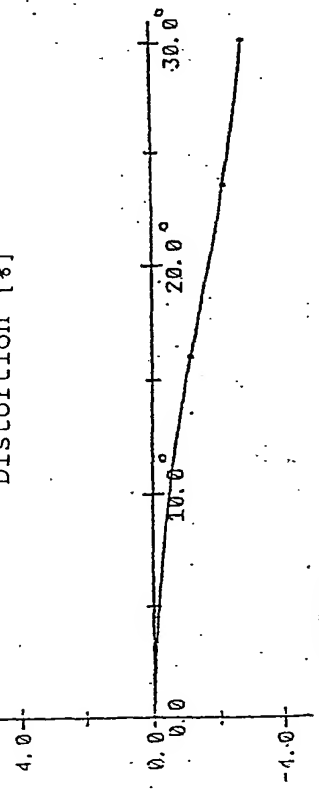
Spherical aberration



Astigmatism

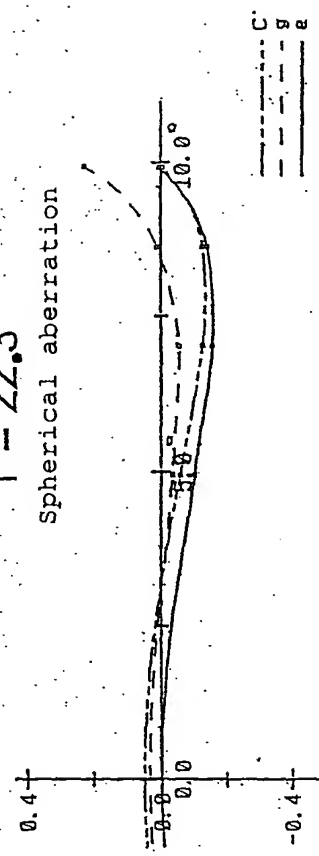


Distortion [%]

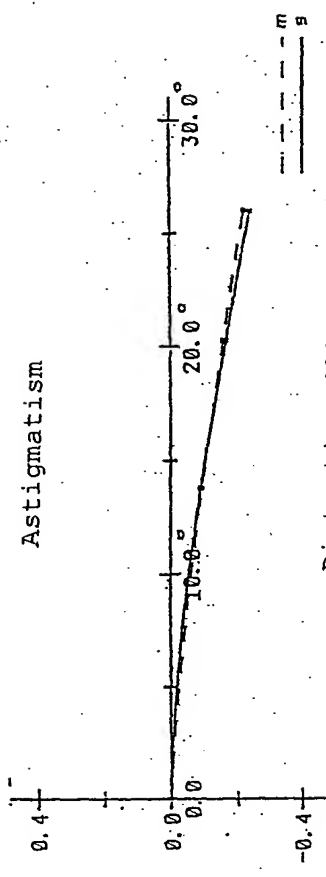


$f' = 22.3$

Spherical aberration



Astigmatism



Distortion [%]

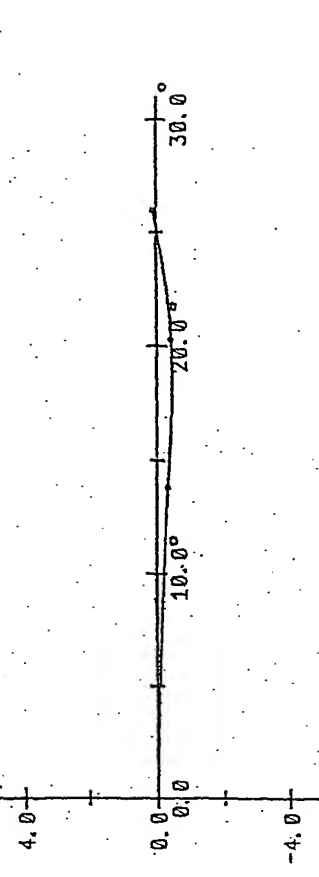
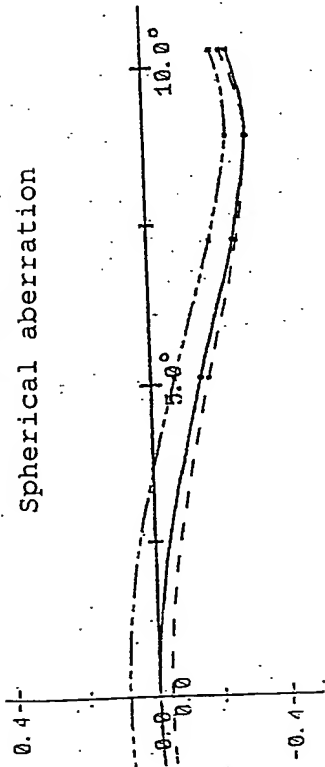


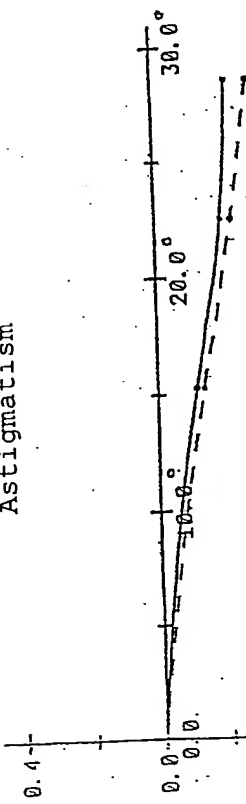
FIG.8

$f = 25.8$

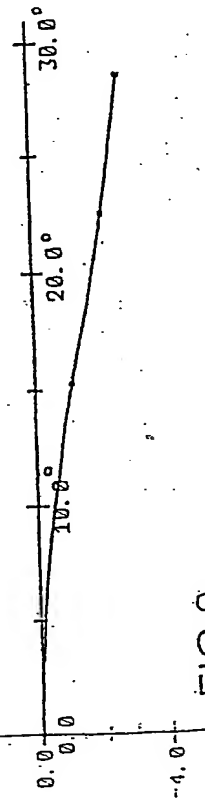
Spherical aberration



Astigmatism

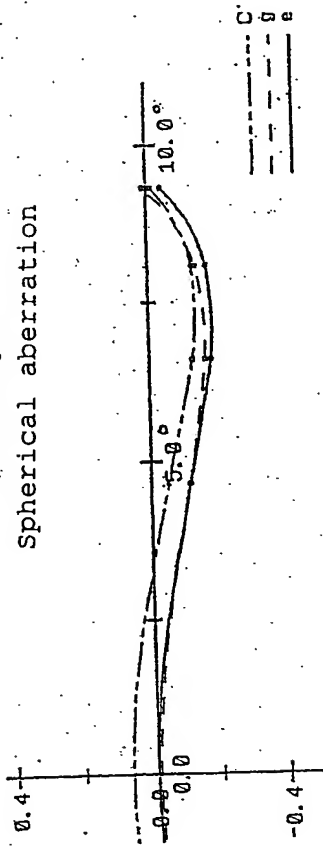


Distortion [%]

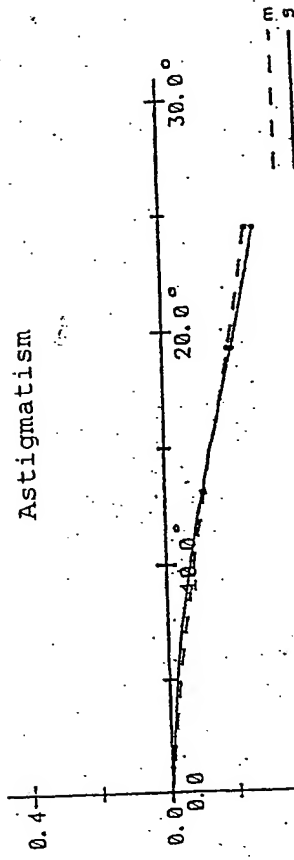


$f = 30.0$

Spherical aberration



Astigmatism



Distortion [%]

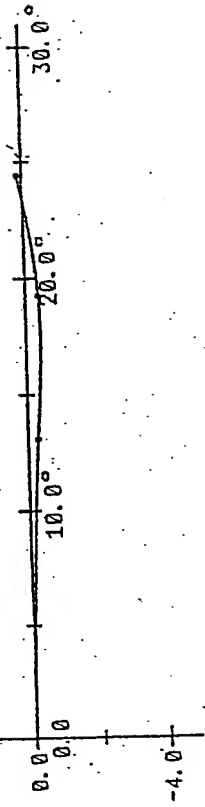


FIG.9